Black Lowe & Graham (200) 381-3300
Alty Docker: BING-1-1090
In Re: Taelyoun Kim
Application Serial No.: Not yet assigned
Filed: Herewith
Title: METHODS AND SYSTEMS FOR MODEL REDUCTION AND SYSTEM
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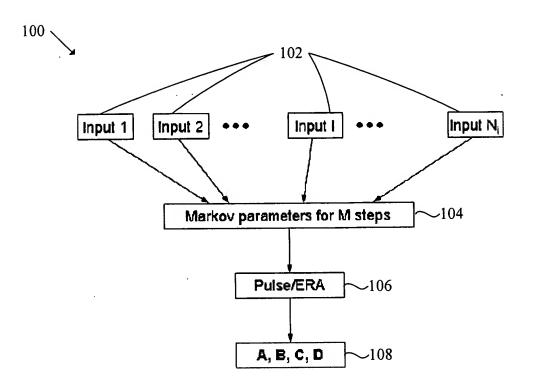


FIG. 1 (Prior Art)

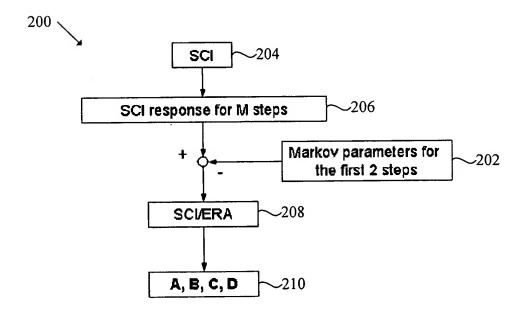


FIG. 2

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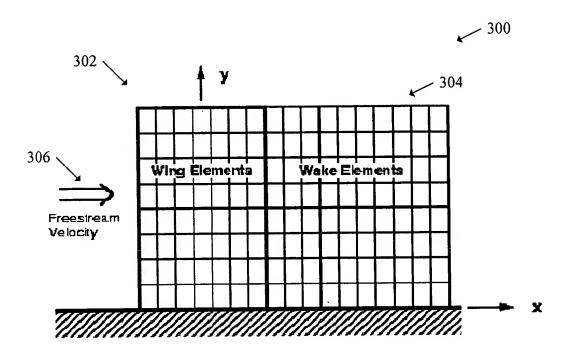


FIG. 3

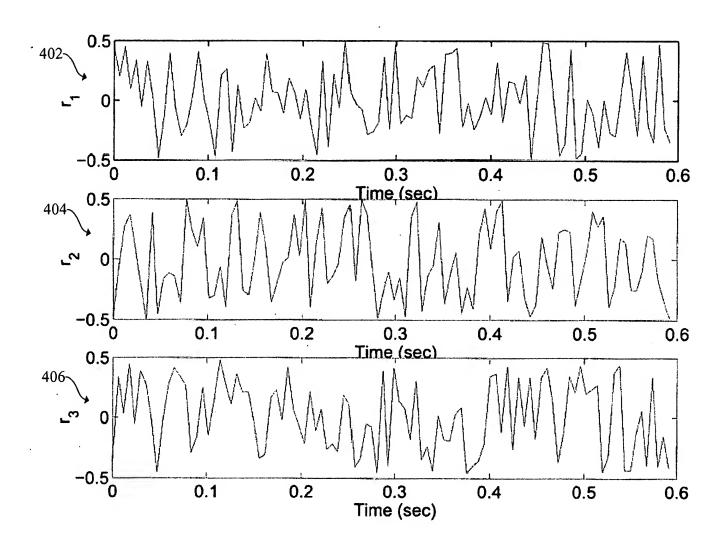


FIG. 4

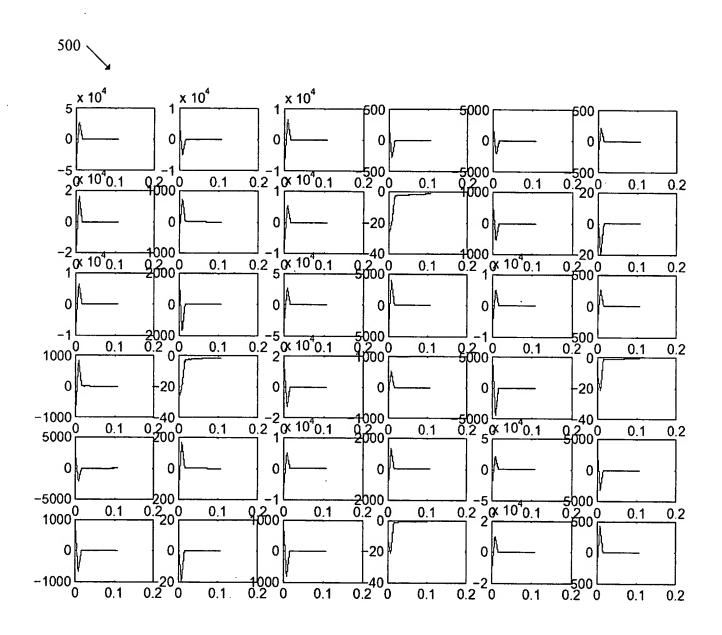


FIG. 5

Black Lowe & Graham PAGE (206) 381-3300
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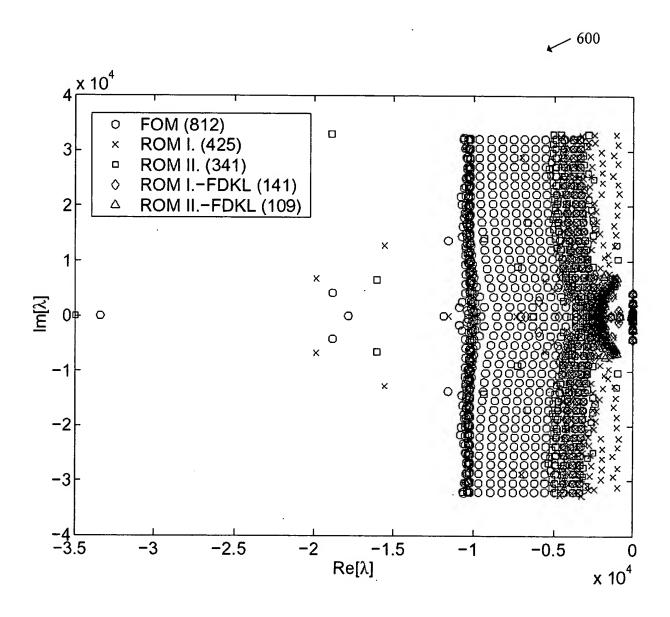


FIG. 6

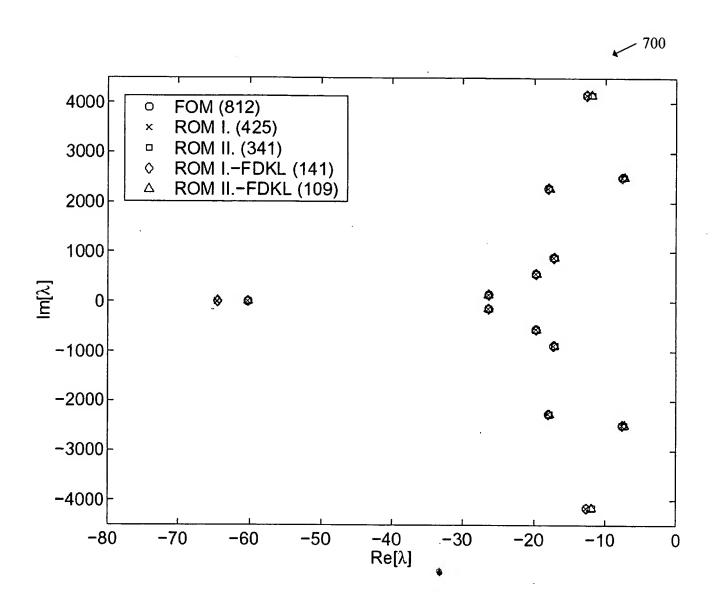


FIG. 7

Black Lowe & Graham MAF (206) 381-3300
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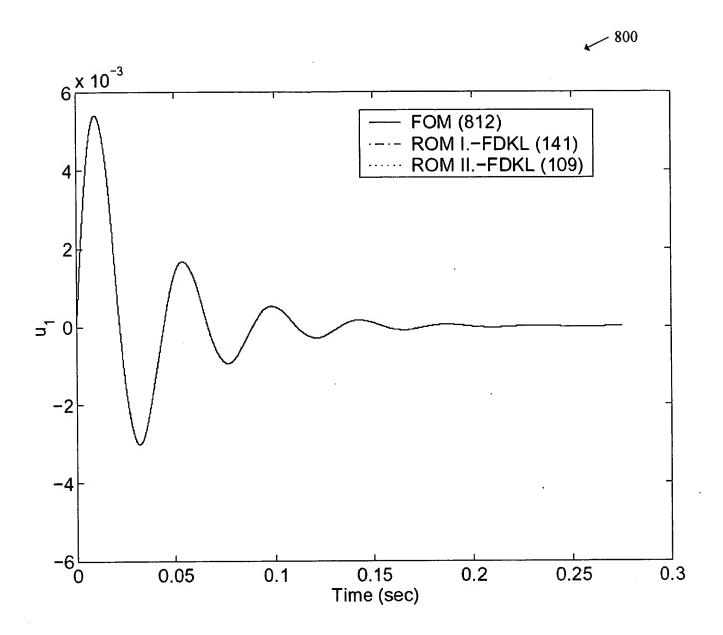


FIG. 8

Black Lowe & Grabam (206) 381-3300
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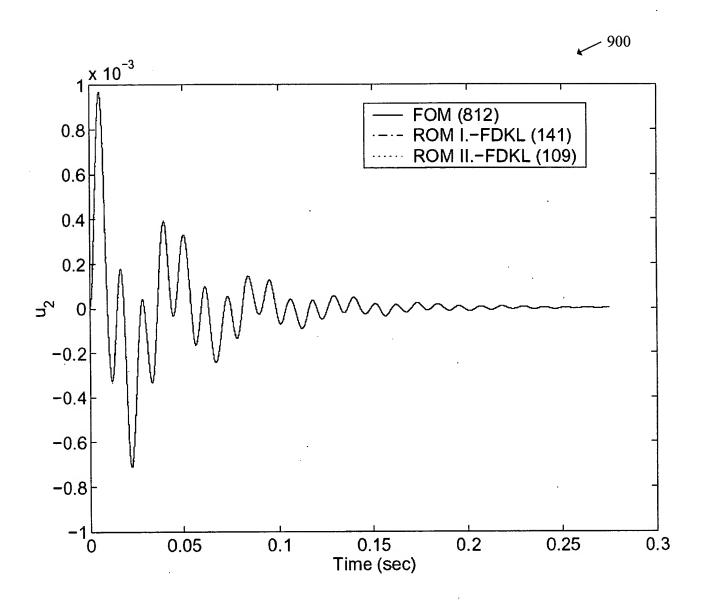


FIG. 9

Black Lowe & Graham (206) 381-3300
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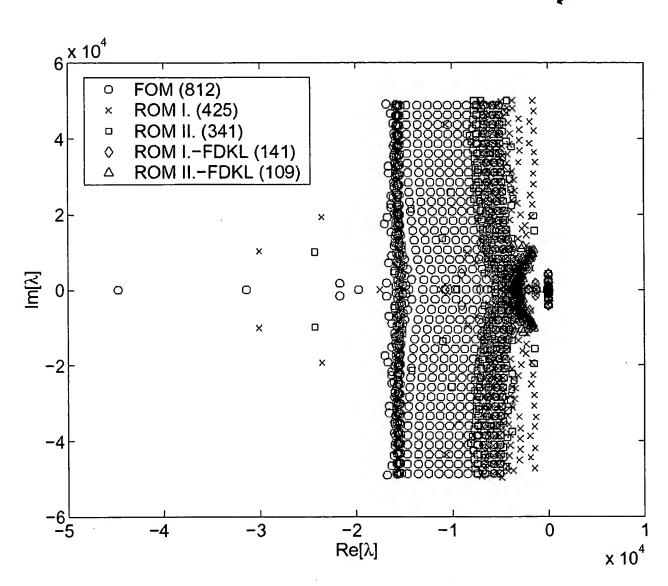


FIG. 10

Black Lone & Graham *** (206) 381-3300

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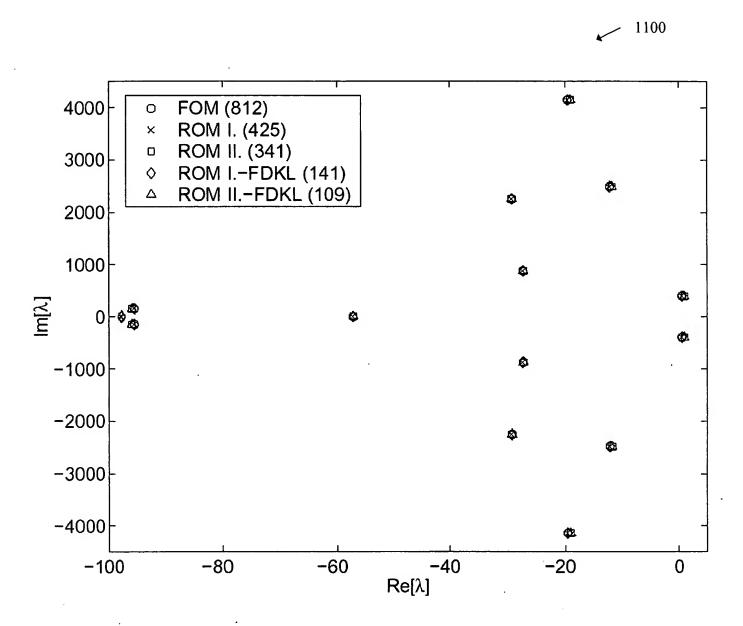


FIG. 11

Black Lowe & Graham (206) 381-3300
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In Re: Thethyoun Kim
Application Serial No.: No. yet assigned
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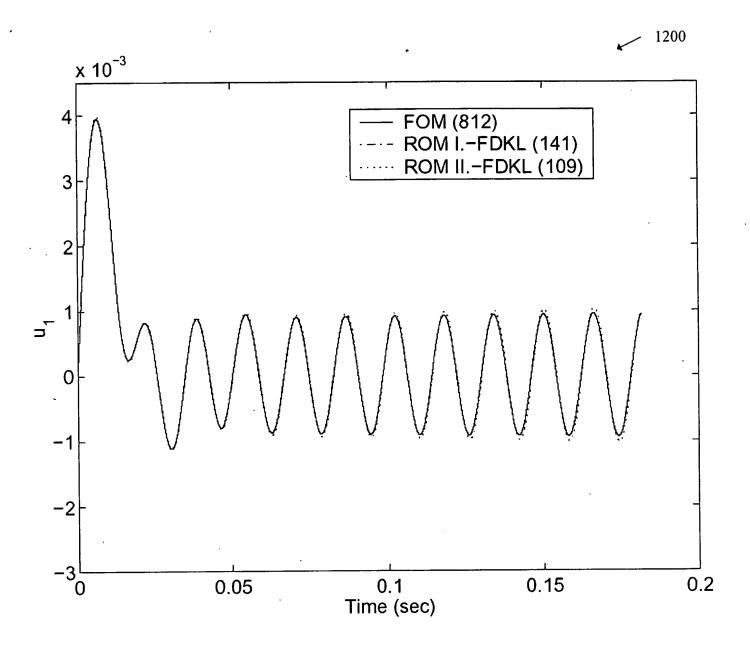


FIG. 12

Black Lowe & Graham T (206) 381-3300 Atty Docket: BING-1-1090
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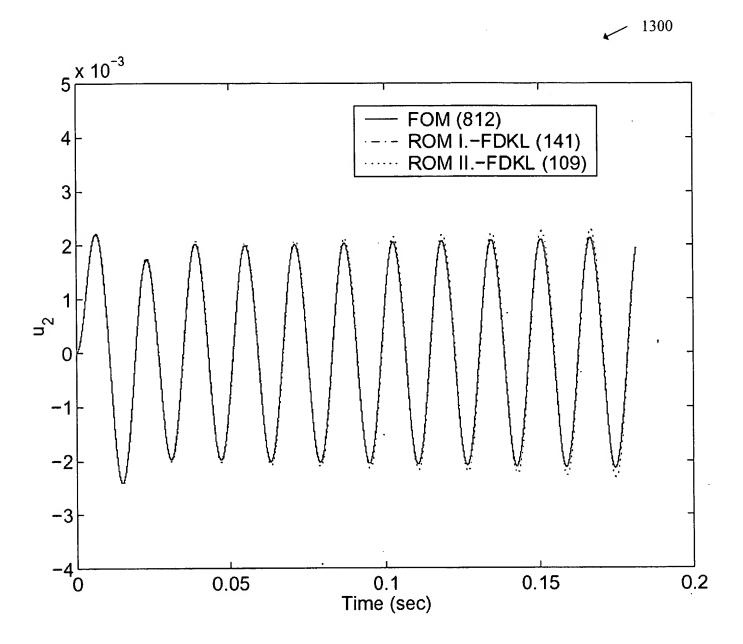


FIG. 13

Black Löne & Graham (** (206) 381-3300

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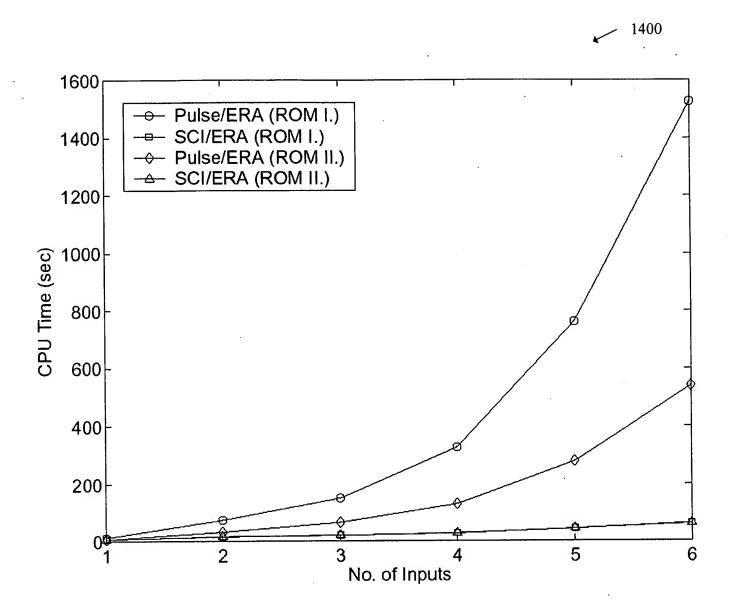


FIG. 14

Black Lowe & Grabam **** (2005)381-3,000

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Table 1: CPUs of ERAs Applied to VLM (ROM I.)

N_i	Pulse/ERA	SCI/ERA
1	$12.3 \; sec \; (92)$	$6.7 \; sec \; (89)$
2	74.8 sec (180)	16.6 sec (182)
3	$150.8\;sec\;(221)$	$20.6 \; sec \; (226)$
4	327.8 sec (297)	$28.2 \; sec \; (298)$
5	762.3~sec~(336)	$43.7 \; sec \; (340)$
6	1,525.5 sec (395)	$63.2 \; sec \; (413)$

NOTE: Number in () is the size of ROM.

Table 2: CPUs of ERAs Applied to VLM (ROM II.)

N_{i}	Pulse/ERA	SCI/ERA
1	$6.3 \; sec \; (92)$	$6.8 \; sec \; (89)$
2	32.8 sec (169)	$17.00\ sec\ (167)$
3	65.9 sec (215)	21.0 sec (214)
4	130.1 sec (258)	27.6 sec (257)
5	279.6 sec (304)	44.1 sec (305)
6	540.4 sec (316)	61.4 sec (329)

NOTE: Number in () is the size of ROM.

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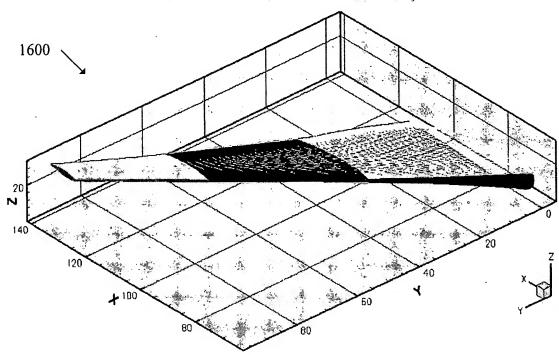


FIG. 16

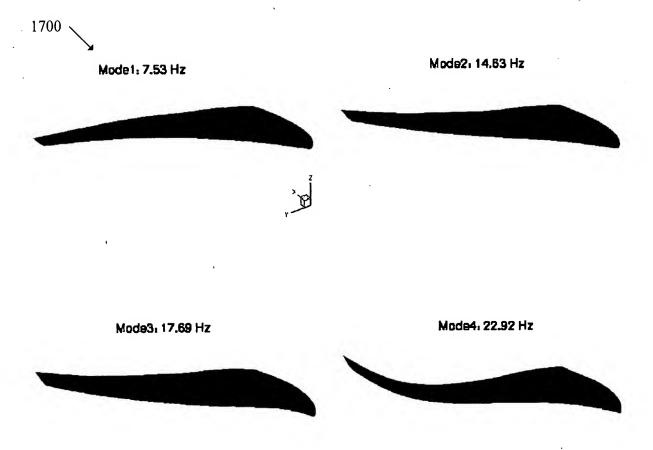


FIG. 17

Black Lowe & Graham "(206) 381-3300
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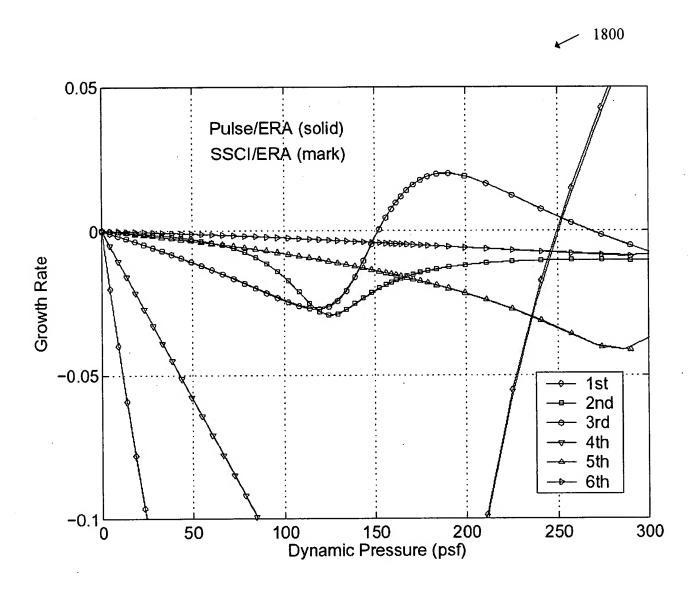


FIG. 18